PILOT CHEMICAL COMPANY

We're going further®

www.pilotchemical.com
9075 Centre Pointe Drive • Suite 400
West Chester, OH 45069

# CALFOAM® ES-701 10 MAX

## PRODUCT DATA SHEET

PDS 317S02.3.ACTIVE.04112023

**PRODUCT DESCRIPTION**

Calfoam® ES-701 10 MAX is a 70% active solution of sodium lauryl ether sulfate that contains one mole of ethylene oxide and up to 10 ppm (at time of lot creation) 1,4-Dioxane. Calfoam® ES-701 10 MAX is an anionic surfactant of choice for personal care and HI&I applications.

**COMMON CHEMICAL NAME**

Sodium Laureth Sulfate

**CAS #**

68585-34-2

**TYPICAL PROPERTIES**

| | |
|---|---|
| Appearance (25°C) | Hazy, colorless to pale yellow viscous liquid |
| Activity, wt. % | 70.0 |
| 1,4-Dioxane (as is), ppm | 10 Max. (at time of lot creation) |
| Unsulfonated material, wt. % | 1.0 – 2.0 |
| Sodium Sulfate, wt. % | < 1.0 |
| Sodium Chloride, wt. % | < 0.1 |
| Color (20% solution), APHA | < 50 |
| pH (4% solution) | 7.0 – 8.5 |
| Foam Height (1% active solution, 25°C), mm | Initial: 150.7; 5 Minutes: 146.7 |
| Freeze Point | 17.6°F (-8°C) |
| Shelf Life | 1 Year |

**APPLICATIONS**

Calfoam® ES-701 10 MAX is an anionic surfactant that provides luxurious, mild, and copious foam that is gentle to the skin and is perfect for personal care and HI&I formulations. Calfoam® ES-701 10 MAX is a great flash foamer, creates very dense foam and performs well under a range of conditions in formulations when used alone or in combination with other surfactants. Calfoam® ES-701 10 MAX has a high tolerance for pH increases and is relatively unaffected by changing water hardness, which enables many industrial cleaner formulations to benefit from using this surfactant. Calfoam® ES-701 10 MAX is perfect for bubble bath, shampoo, shower gel, facial cleanser, liquid hand cleaner, fabric care, hand dish wash, and car care products.

**ADVANTAGES**

Calfoam® ES-701 10 MAX up to 10 ppm (at time of lot creation) 1,4-Dioxane. Calfoam® ES-701 10 MAX is a high purity, low salt, and low color sodium laureth sulfate that offers excellent flash foaming, foam stability, air entrainment, detergency, and mildness. Calfoam® ES-701 10 MAX does not contain a diluent alcohol, important for formulas that require the absence of a solvent.

**HANDLING & STORAGE**

Refer to the Calfoam® ES-701 10 MAX SDS (Safety Data Sheet) before storing, handling or using. Avoid contact with eyes, skin, and clothing. Wear appropriate personal protective equipment and observe good industrial hygiene practices. Material is slippery on wet and hard surfaces. Store in a plastic or plastic lined steel, tightly closed container. Do not store with strong oxidizing agents. 1,4-Dioxane levels may change as a result of time, temperature, pH and other product ingredients. Do not store product above ambient temperature (~65-78°F or ~18-26°C). Storage of product above ambient temperature can generate, affect or increase 1,4-Dioxane levels in the product.

**PACKAGING**

Calfoam® ES-701 10 MAX is available in 480 lb. poly drums, 2300 lb. poly totes, and bulk quantities.

***See starting formulas and additional product information at www.pilotchemical.com.***

The information and suggestions given are drawn from data we believe to be reliable, but in all cases, the user should check and confirm the suggestions and results in his own use before proceeding further. None of the suggestions or recommendations constitute freedom from any patents that may be existent in the filed or be issued.

ChemStewards®

Responsible Care®